

KLHDC7B (G-14): sc-86507

BACKGROUND

The BTB (broad-complex, tramtrack and bric a brac) domain, also known as the POZ (poxvirus and zinc finger) domain, is an N-terminal homodimerization domain that contains multiple copies of kelch repeats and/or C₂H₂-type zinc fingers. Proteins that contain BTB domains are thought to be involved in transcriptional regulation via control of chromatin structure and function. The kelch domain-containing protein 7B (KLHDC7B) contains 5 kelch repeats suggesting a role in transcription regulation. The gene encoding KLHDC6 maps to chromosome 22, which contains over 500 genes. As the second smallest human chromosome, 22 contains a surprising variety of interesting genes, including Phelan-McDermid syndrome, neurofibromatosis type 2 and autism.

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CHROMOSOMAL LOCATION

Genetic locus: KLHDC7B (human) mapping to 22q13.33.

SOURCE

KLHDC7B (G-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of KLHDC7B of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-86507 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

KLHDC7B (G-14) is recommended for detection of KLHDC7B of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with family members KLHDC6 and KLHDC8B.

KLHDC7B (G-14) is also recommended for detection of KLHDC7B in additional species, including bovine.

Suitable for use as control antibody for KLHDC7B siRNA (h): sc-75392, KLHDC7B shRNA Plasmid (h): sc-75392-SH and KLHDC7B shRNA (h) Lentiviral Particles: sc-75392-V.

Molecular Weight of KLHDC7B: 63 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.